

Ch 15/16 Study Guide AE

What are the properties of acids and bases we discussed? List them below.

What are indicators? What are the two we used and what colors are they in acidic/basic conditions?

Name the following acids (use your ion sheet):

HF _____ H_2SO_3 _____ HClO_2 _____

Write the formulas for the following acids (use your ion sheet)::

Phosphoric Acid _____ Hydrochloric Acid _____ Chromic Acid _____

What are the definitions for Arrhenius acids and bases?

What are the definitions of Brønsted-Lowry acids and bases?

On BOTH sides of the following reactions, show the direction of the proton transfer and label the species that are acids and bases.



What formula do you used to calculate pH? What is the proton concentration in pure water? How does the pH scale work?

What is the pH of the following solutions: 0.000056 M HCl and 0.0000221 M NaOH?

A 38.0ml sample of HCl was titrated to completion with 26.0ml of 1.5 M NaOH. What is the concentration of the acid?